

**CLAIM AMENDMENTS**

Please cancel claim 36 and amend claims 35 and 37 as follows:

1-34. (Canceled)

35. (Currently amended) A system for configuring a customized contact lens for a user, said system comprising:

means for selecting one or more sample eyes as a template eye and for displaying the image of the a-template eye image to assist said user in visualizing selected options for a customized contact lens;

~~graphical display and interface~~ means for displaying a plurality of pre-configured pattern contact lens selection options to said user, selecting a pre-configured pattern, and superposing said selected pre-configured pattern onto a portion of said displayed template eye ~~said information including a plurality of selectable and modifiable lens parameters, said means in communication with said means for displaying a template eye image;~~

means for selecting one or more colors from a pallet of colors and coloring superposition areas of said selected pre-configured pattern with the selected colors to generate an image of a contact lens;

means for adjusting said pre-configured pattern and/or colors to generate an optimized image of a modified contact lens in accordance with the intentions of said user;

means for sending a request to order a the modified contact lens incorporating lens characteristics selected by the user;

means for receiving the ordering request; and

means for manufacturing a the modified contact lens incorporating said characteristics selected by said user.

36. (Canceled)

37. (Currently amended) A system for configuring a customized contact lens for a user, said system comprising:

an image input device for obtaining a graphical template eye image from said user;

a graphical user display in communication with said device for visualizing said template eye image, said user display displaying a plurality of pre-configured pattern selection options to said user ~~one or more of selectable lens characteristics~~ in conjunction with said template eye image;

a user interface linked to said display for selecting ~~one or more of said selectable lens characteristics~~ a pre-configured pattern for display to be superposed onto a portion of said template eye image and for selecting one or more colors from a pallet of colors to color the superposition areas of said selected pre-configured pattern to generate an image of a designed contact lens;

a server in communication with said user interface, said server receiving selections of said pre-configured pattern and color ~~lens characteristics~~ from said user interface and incorporating selected pre-configured pattern and color ~~ones of said lens characteristics~~ into a modified template eye synthesized image for display, wherein the synthesized image includes the image of the designed contact lens superposed onto said template eye image;

a database accessible by said server containing information relating to said user and said available selectable pre-configured pattern and color ~~lens characteristics~~; and

a fabrication system in communication with said server for receiving information relating to said ~~modified template eye image~~ of the designed contact lens and manufacturing a contact lens based on said information.

38. (Original) The system of claim 37 wherein said user interface further comprises a subsystem for deriving a contact lens pattern that, when worn, modifies the appearance of an eye according to the intentions of the user.

39. (Original) The system of claim 38 wherein said database further comprises information generally available over the Internet, and said information being searchable by an intelligent agent originating from said server.

40-68. (Canceled)